

1 2 3 4 5 6 7 8


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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ED'S A-1 & A-2.	02-27-96	D. MARVILL
B	ADDED ITEMS 1A, 2A, 11A, 12A, 14A & 32 THRU 43; CHANGED CALLOUTS TO FIND NO'S.; CORRECTED P/N OF ITEMS 3, 4 & 7; CHG. P/N & QTY. OF ITEM 30; ADDED NOTES 10 & 11; ADDED DUAL LOCK & VELCRO EXAMPLES TO SHT 3; ADDED 2ND SECTION E-E & K-K TO SHT 6; ADDED 2ND SECTION B-B TO SHT 9. MINOR CHANGE - FAR 21.95	12-20-01	D. MARVILL
C	CHG. QTY. OF ITEMS 8, 9 & 10; ADDED LUG ITEM NLS TO SHT 3. MINOR CHANGE - FAR 21.95	06-09-05	
D	INCORPORATED ECN 01899, 01944, & 02987	11-04-10	P. BRAVO
E	INCORPORATED ECN 03012, 03059 & 03115	05-17-11	P. BRAVO
F	INCORPORATED ECN 03656, 03750 & 04348	01-15-14	P. BRAVO

CONTROL COPY
ISSUED DATE
FEB 05 2014

- A VENDOR: MCMaster-CARR
- B VENDOR: 3M, ST. PAUL, MN.
- A VENDOR: DOW CHEMICAL MIDLAND, MI.
- A VENDOR: CERTAINTED WICHITA FALLS, TX.
- A (TANK S/N 112 THRU 118)
- A (TANK S/N 111 THRU 117)
- A BOND NUTPLATES, F/N 36, TO FAIRING USING CLICK BOND CB200 ACRYLIC ADHESIVE, F/N 38, AS REQUIRED
- A ENLARGE VENT CAVITY HOLE TO 5.85 DIA.
- A INSTALL DUAL LOCK PER 3M INSTALLATION INSTRUCTIONS.
- A BOND TO SHELL USING LOCTITE 332 AND ACTIVATOR 7387.
- H. INSPECT ALL BUSHING FOR PROPER BONDING VISUALLY.
- G. LET SET AT ROOM TEMPERATURE FOR AT LEAST 30 MINUTES BEFORE TOOL IS REMOVED. LET SET FOR 24 HOURS BEFORE INSTALLATION OF TANKS TO AIRCRAFT.
- F. INSTALL BUSHING INTO LUGS AND HOLD IN POSITION, CLEAN ALL EXCESS BONDING MATERIAL FROM LUG AND BUSHING.
- E. APPLY SMALL AMOUNT OF ADHESIVE AROUND INNER STEM OF BUSHING. OUTER AREA OF BUSHING MUST PROVIDE METAL TO METAL CONTACT FOR GROUNDING.
- D. MIX HYSOL EA9320-A 100 PARTS TO B 19 PARTS OR LOCTITE 332 AND ACTIVATOR 7387.
- C. CLEAN BUSHING AND LUG WITH ACETONE IN AREA OF BONDING.
- B. BEAD-BLAST BONDED AREA OF BUSHING P/N 41228-202-051-005/-007.
- A. REMOVE GEL-COAT FROM LUG BUSHING FLANGE CONTACT POINT.
- A FINISH LUG IN ACCORDANCE WITH ERA PROCESS SPECIFICATION No. 1012.
- A FINISH TANK IN ACCORDANCE WITH ERA PROCESS SPECIFICATION No. 1012.
- A BOND TO SHELL IN ACCORDANCE WITH ERA PROCESS SPECIFICATION NO. 1020.
- A ATTACH TO SHELL IN ACCORDANCE WITH ERA PROCESS SPECIFICATION NO. 2003 PART B.
- A LAY UP LUG ON SHELL IN ACCORDANCE WITH ERA PROCESS SPECIFICATION 1018 PART A (FAB) STEP 18-29.
- A ATTACH TO SHELL IN ACCORDANCE WITH ERA PROCESS SPECIFICATION No. 1018 PART A (FAB) STEP 16-17.
- A BOND TO SHELL USING 8084 RESIN AND 3/4 oz. MAT.

NOTES:

1		1		1		20	41228-202-126-004	FAIRING			
	1		1		1	19	41228-202-126-003	FAIRING			
						18	DELETED				
						17	DELETED				
1		1		1		16	41228-202-097-002	FAIRING ASSY, FUEL RETURN			
	1		1		1	15	41228-202-097-001	FAIRING ASSY, FUEL RETURN			
1	1	1	1			14A	41228-202-156-001	FAIRING ASSY, VENT PLATE			
				1		14	41228-202-096-002	FAIRING ASSY, CROSS FEED			
					1	13	41228-202-096-001	FAIRING ASSY, CROSS FEED			
				1		12A	41228-202-103-004	VENT FAIRING			A
					1	11A	41228-202-103-003	VENT FAIRING			A
				1		12	41228-202-103-002	VENT FAIRING			
					1	11	41228-202-103-001	VENT FAIRING			
1		1		1		10	41228-202-105-003	UPPER LUG			
3	4	3	4	3	4	9	41228-202-105-001	UPPER LUG			
1	1	1	1	1	1	8	41228-202-077-001	LOWER LUG AFT			
1	1	1	1	1	1	7	41228-202-146-001	LOWER LUG FWD			
1		1		1		6	41228-202-081-002	R/H CLOSURE			
	1		1		1	5	41228-202-081-001	L/H CLOSURE			
1		1		1		4	41228-202-139-002	R/H SHELL			
	1		1		1	3	41228-202-139-001	L/H SHELL			
X	X	X	X	X	X	2B	41228-201-004-006	R/H ASSY			
						1B	41228-201-004-005	L/H ASSY			
						2A	41228-201-004-004	R/H ASSY			
						1A	41228-201-004-003	L/H ASSY			
						2	41228-201-004-002	R/H ASSY			
						1	41228-201-004-001	L/H ASSY			
-006	-005	-004	-003	-002	-001	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC	
QTY REQ'D							PARTS LIST				
NEXT ASSY(S)							ORIGINAL DATE (MO-DA-YR)	12-15-04	 SHEET 1 of 9		
41228-200-006							DRAWN BY	T. MARVILLE			
41228-200-005							CHECKER				
							DRAWING APPROVAL				
							CONTRACT No.		SHELL ASSY		
							UNLESS OTHERWISE SPECIFIED			SIZE	REV
							DIMENSIONS ARE IN INCHES			B	F
							TOLERANCES ARE:			07M28	41228-201-004
							3 PLACE DECIMALS ± .003			SCALE	SHEET 1 of 9
							ANGLES ± .5°			NONE	

1 2 3 4 5 6 7 8

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REF	REF			REF	REF	57	600.1018	LOCTITE 7387		
1	1	1	1			56	41228-202-155-001	COVER, VENT PLATE		
		1				55	41228-202-142-002	COVER		
			1			54	41228-202-142-001	COVER		
		1				53	41228-202-141-003	FAIRING		
						52	DELETED			
		1				51	41228-301-088-004	R/H HINGE MOUNT		
			1			50	41228-301-088-003	L/H HINGE MOUNT		
		1				49	41228-301-088-002	R/H COVER, VENT/FILLER CAP		
			1			48	41228-301-088-001	L/H COVER, VENT/FILLER CAP		
1		1				47	41228-202-127-004	COVER, TRANSFER PUMP		
	1		1			46	41228-202-127-003	COVER, TRANSFER PUMP		
1		1				45	41228-202-099-002	COVER, FUEL RETURN		
	1		1			44	41228-202-099-001	COVER, FUEL RETURN		
AR	AR	AR	AR	AR	AR	43	890	PRO SEAL		
REF	REF			REF	REF	42	601.1541	NUT	MS21042L08	
REF	REF			REF	REF	41	601.1951	WASHER	NAS1149DN832J	
REF	REF			REF	REF	40	601.3271	CSK WASHER	A3135-017-24A	
REF	REF			REF	REF	39	MS24693S51	SCREW		
REF	REF			REF	REF	38	600.1017	LOCTITE 332		
				1	1	37	130300-3-1	NUTPLATE		
REF	REF			REF	REF	36	CB2009CR3CR	NUTPLATE		
				1		35	41228-203-054-006	R/H CLIP		
					1	34	41228-203-054-005	L/H CLIP		
				1		33	41228-203-054-004	R/H CLIP		
					1	32	41228-203-054-003	L/H CLIP		
REF	REF			REF	REF	31	9737K61	VELCRO LOOP		△
REF	REF			REF	REF	30	SJ3551-TYPE 400 STEMS	DUAL LOCK OVAL		△
REF	REF			REF	REF	29	41228-202-108-001	EYELET		
AR	AR	AR	AR	AR	AR	28	DERAKANE 8084	RESIN		△
AR	AR	AR	AR	AR	AR	27	3/4 oz TYPE "E"	GLASS MAT		△
REF	REF			REF	REF	26	41228-202-051-007	BUSHING		
REF	REF			REF	REF	25	41228-202-051-005	BUSHING		
						24	DELETED			
						23	DELETED			
1		1		1		22	41228-202-128-002	EXTERNAL CONDUIT		
	1		1		1	21	41228-202-128-001	EXTERNAL CONDUIT		
×						2B	41228-201-004-006	R/H ASSY		
	×					1B	41228-201-004-005	L/H ASSY		
		×				2A	41228-201-004-004	R/H ASSY		
			×			1A	41228-201-004-003	L/H ASSY		
				×		2	41228-201-004-002	R/H ASSY		
					×	1	41228-201-004-001	L/H ASSY		
-006	-005	-004	-003	-002	-001	FIND No.	PART No.	DESCRIPTION	MAT'L	SPEC

QTY REQ'D

PARTS LIST

NEXT ASSY(S)

41228-200-006

41228-200-005

ORIGINAL DATE
(MO-DA-YR) 12-15-94

DRAWN BY T. HARMILLE CHECKER

DRAWING APPROVAL

CONTRACT No.

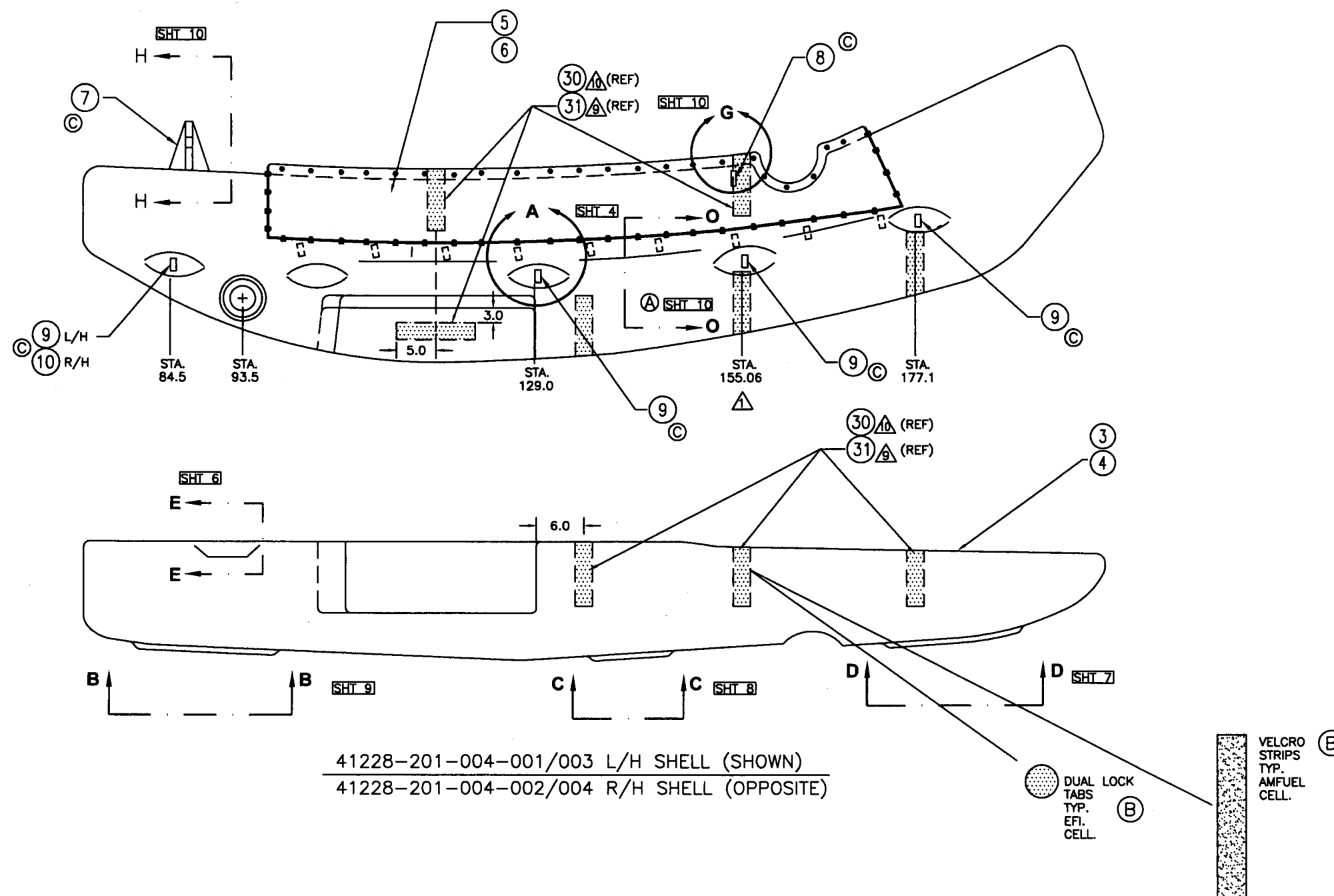
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ON:
2 PLACE DECIMALS ± .03
3 PLACE DECIMALS ± .010
ANGLES ± .5°

APICAL
INDUSTRIES, INC.
3825 TEMPLE HEIGHTS DR.
OAKHURST, CA 92353-3512 (760) 794-6300

SHELL ASSY

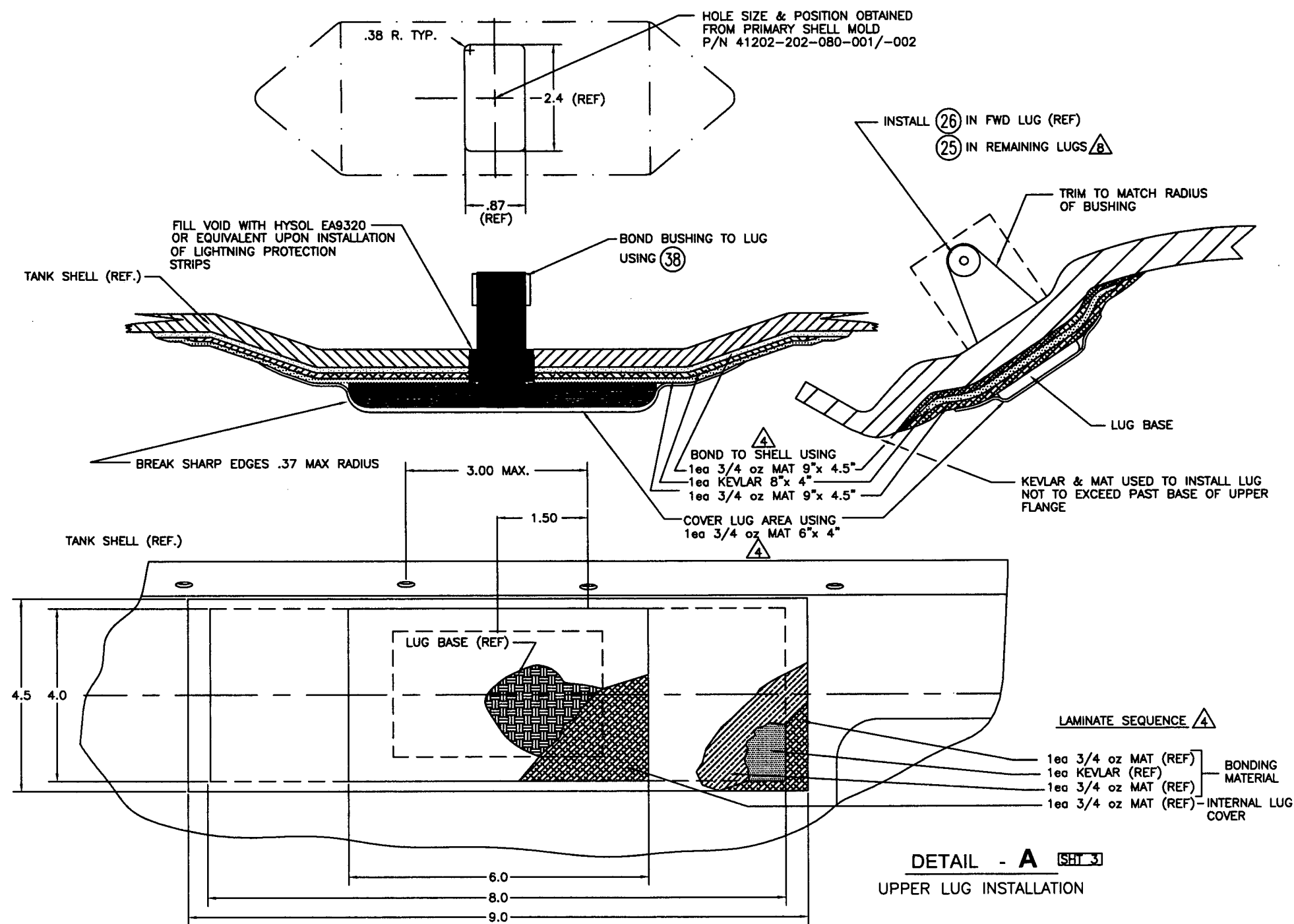
SIZE	CAGE CODE	DWG. No.	REV
B	07MZ6	41228-201-004	F
SCALE	NONE	SHEET 2 of 9	

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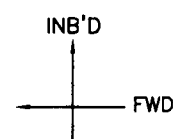
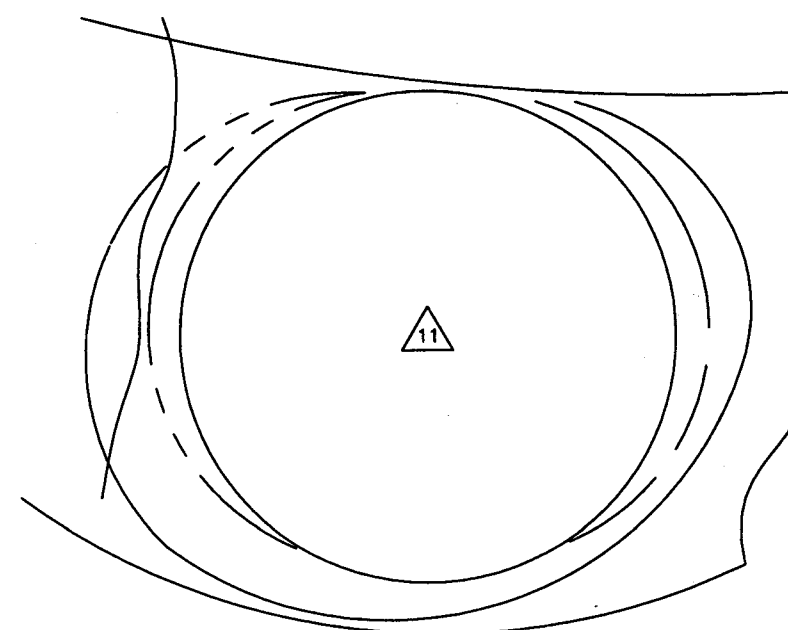
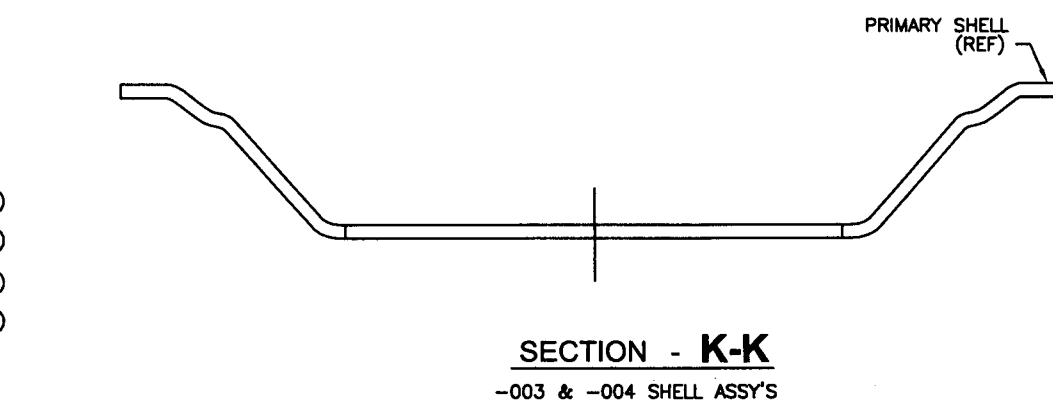
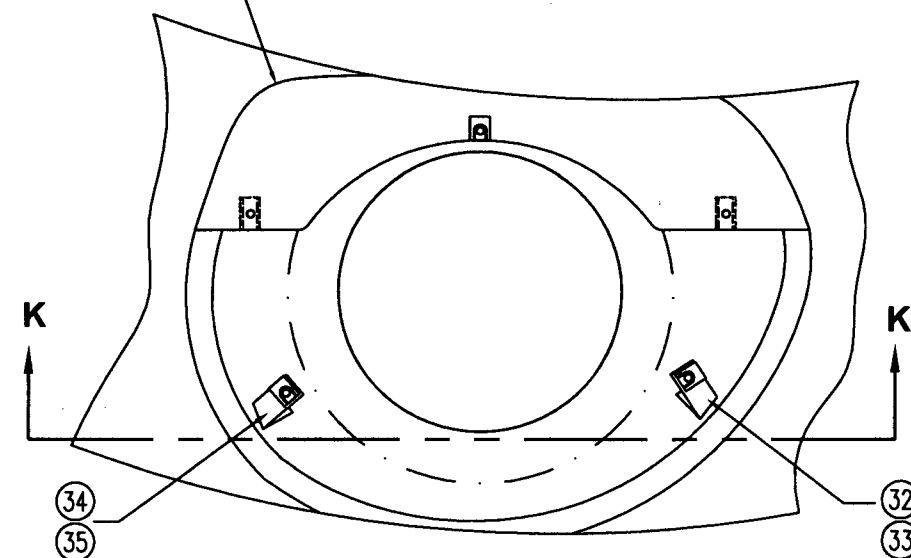
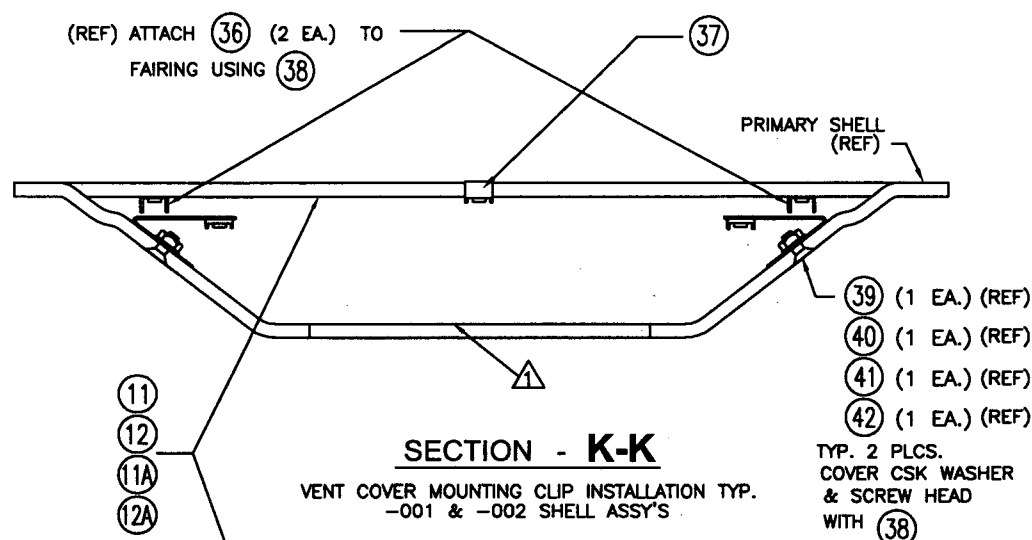
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DRAWN BY T. HAVILLE			
DRAWING APPROVAL		SHEET 3 of 9	
CONTRACT NO.		SHELL ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6
		DWG. No. 41228-201-004	REV F
		SCALE NONE	

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ORIGINAL DATE (MO-DA-YR) 12-15-94			
DRAWN BY T. HARMILLE	CHECKER		
DRAWING APPROVAL		SHEET 4 of 9	
CONTRACT No.		SHELL ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B CAGE CODE 07MZ6 SCALE NONE	DWG. No. 41228-201-004 REV F

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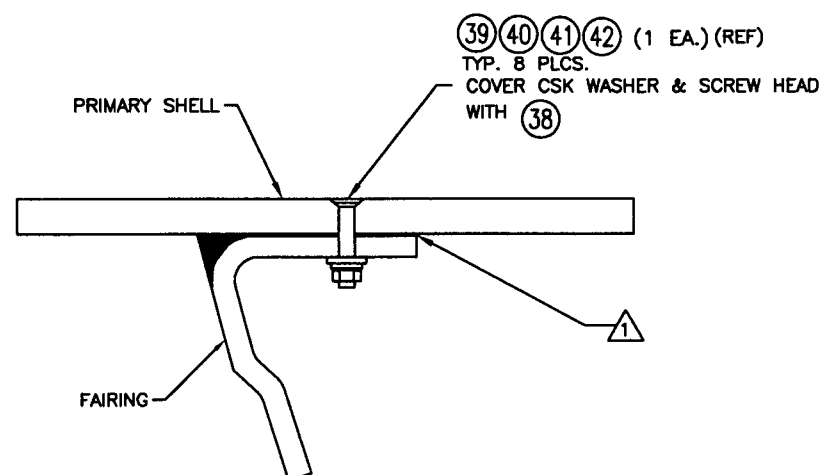
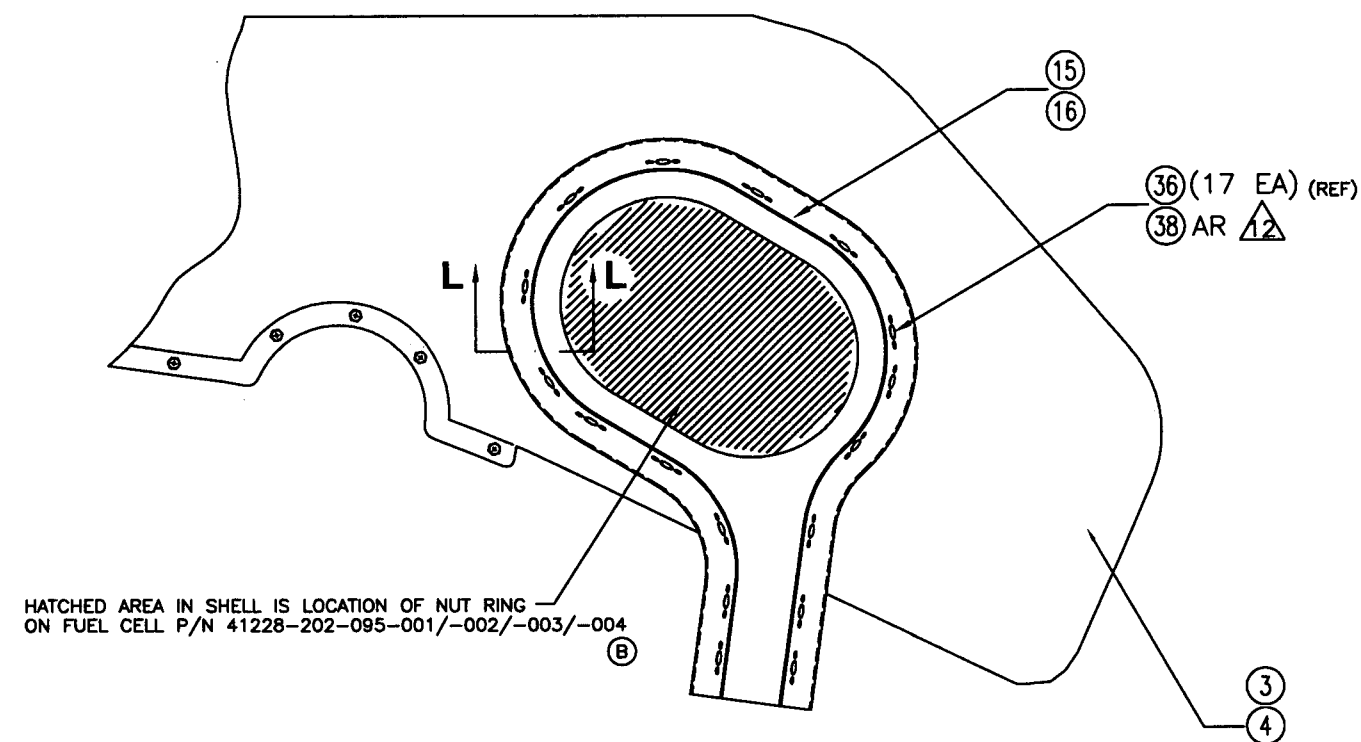


ORIGINAL DATE (MO-DA-YR) 12-15-94		 <small>2800 TEMPLE HEIGHTS DR. OAKLAND, CA 94609-2012 (700) 794-8300</small>	
DRAWN BY T. HARMLE			
DRAWING APPROVAL		CONTRACT No.	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6
DWG. No. 41228-201-004		REV F	SHEET 5 of 9

SHELL ASSY

1 2 3 4 5 6 7 8

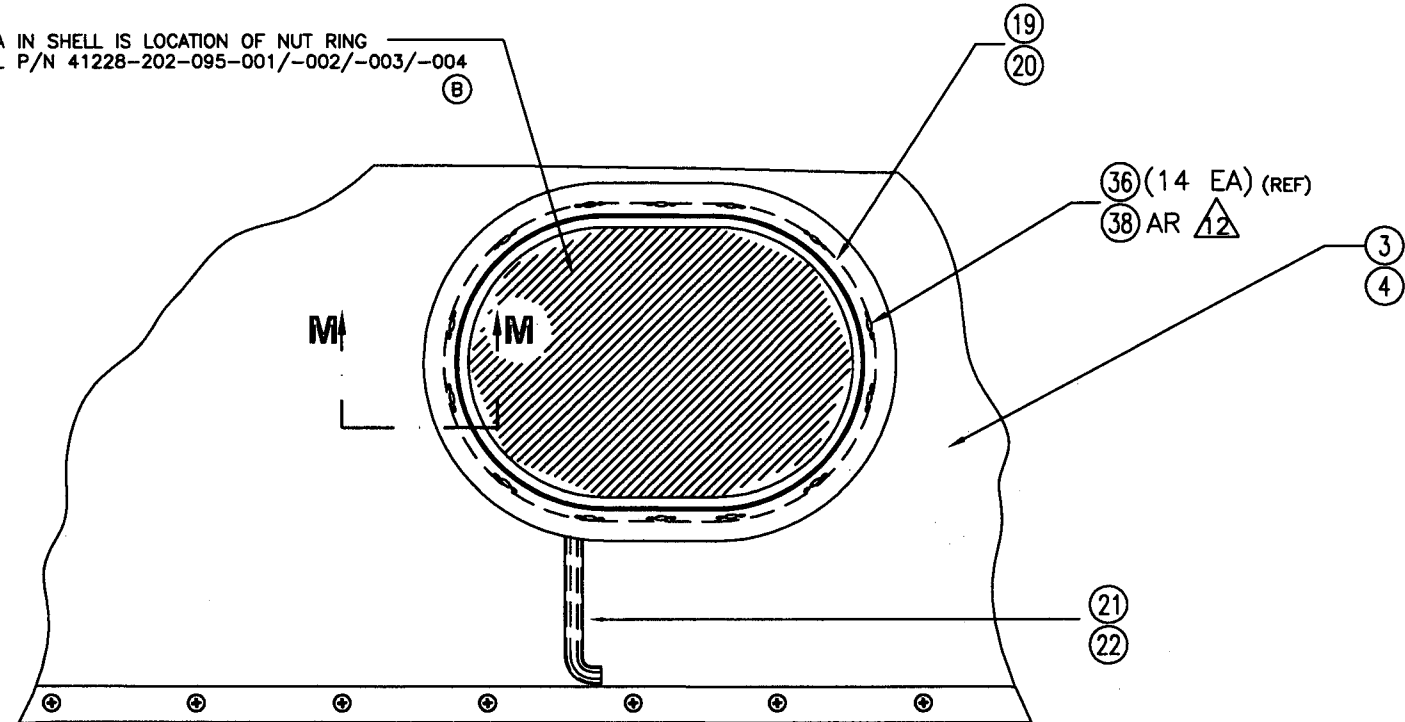
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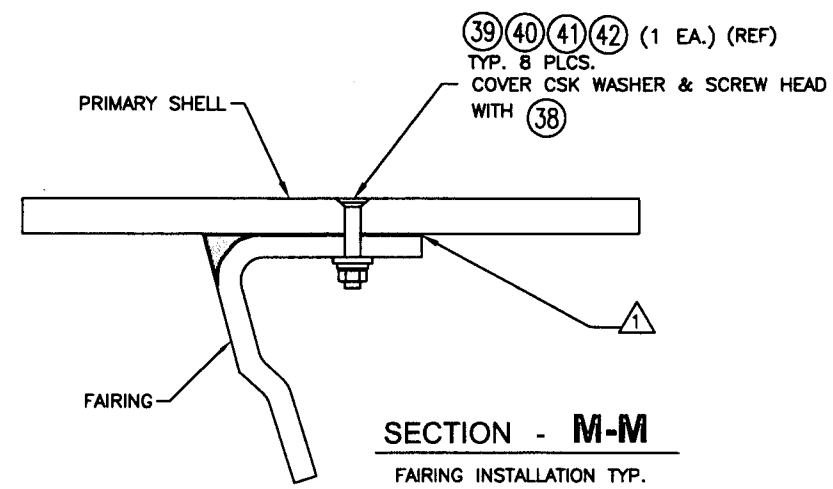
ORIGINAL DATE (MO-DA-YR) 12-15-94		 3008 TEMPLE HEIGHTS DR. OCCIDENT, CA 92024-1012 (760) 794-8200	
DRAWN BY T. HARMILLE			
DRAWING APPROVAL		SHEET 6 of 8	
CONTRACT No.		SHEET 6 of 8	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B	CAGE CODE 07M26
		DWG. No. 41228-201-004	REV F
		SCALE NONE	

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HATCHED AREA IN SHELL IS LOCATION OF NUT RING
ON FUEL CELL P/N 41228-202-095-001/-002/-003/-004



SECTION - C-C
INSTALLATION OF TRANSFER PUMP FAIRING



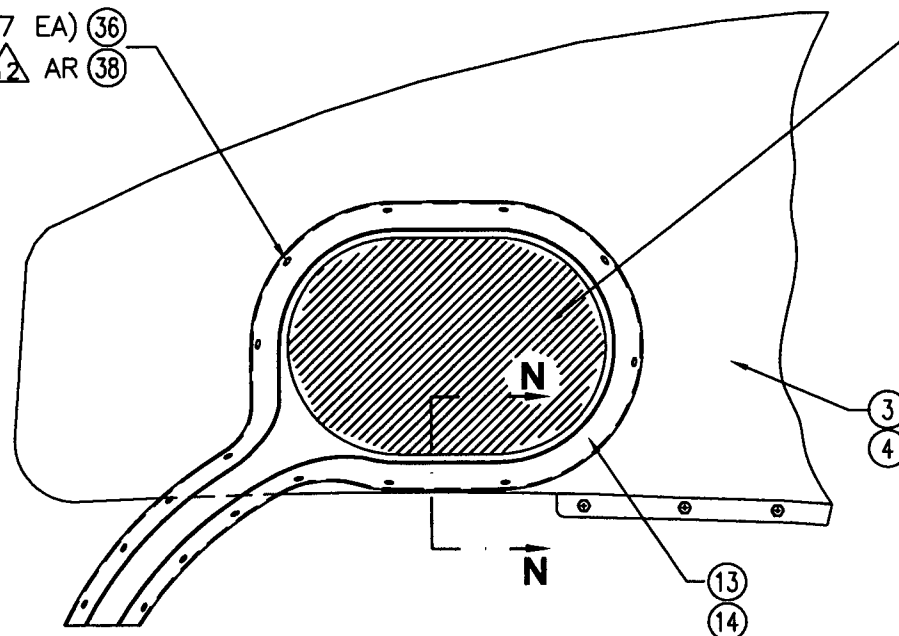
SECTION - M-M
FAIRING INSTALLATION TYP.

ORIGINAL DATE (MO-DA-YR) 12-15-94		 <small>1000 TEMPLE HEIGHTS DR. COLUMBIA, GA 30606-3012 (706) 794-8200</small>	
DRAWN BY T. HARMILLE	CHECKER		
DRAWING APPROVAL		SHEET 7 of 9	
CONTRACT No.		SHELL ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B CAGE CODE 07M26 SCALE NONE	DWG. NO. 41228-201-004 REV F

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HATCHED AREA IN SHELL IS LOCATION OF NUT RING
ON FUEL CELL P/N 41228-202-095-001/-002/-003/-004

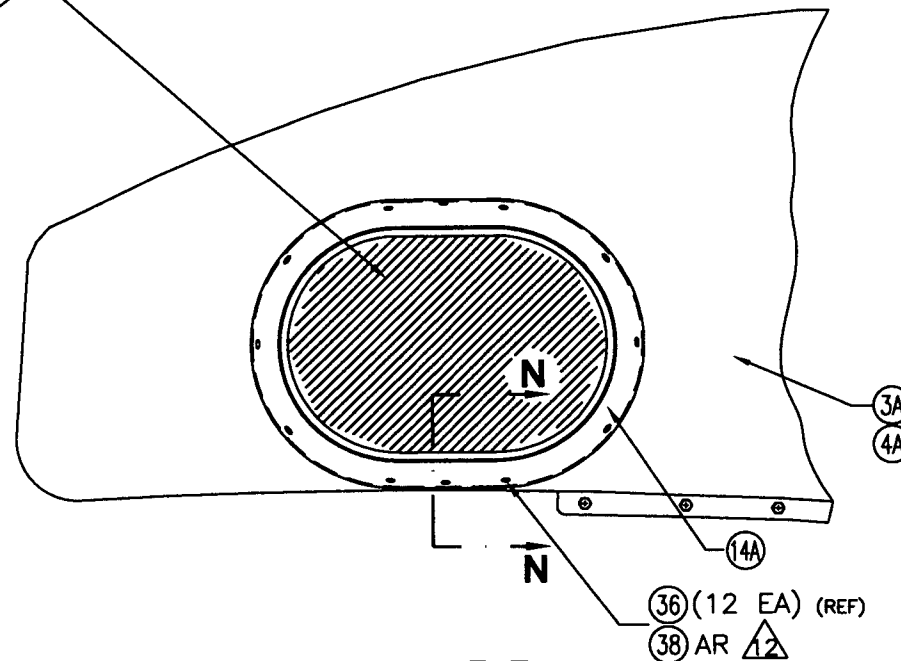
(REF) (17 EA) (36)
AR (38)



SECTION - B-B

INSTALLATION OF CROSS FEED FAIRING
ON -001/-002 SHELL ASSY

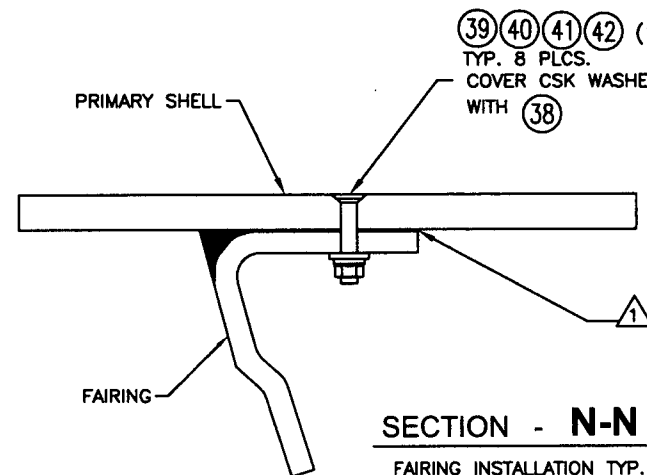
(3A)
(4A)



SECTION - B-B


INSTALLATION OF VENT FAIRING
ON -003/-004 SHELL ASSY

(39) (40) (41) (42) (1 EA.) (REF)
TYP. 8 PLCS.
COVER CSK WASHER & SCREW HEAD
WITH (38)

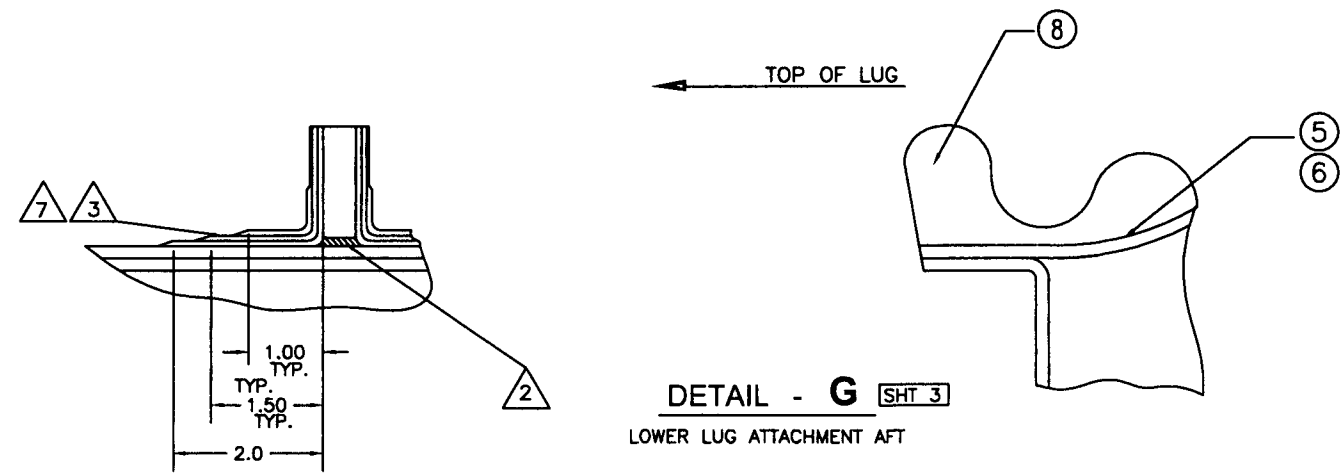
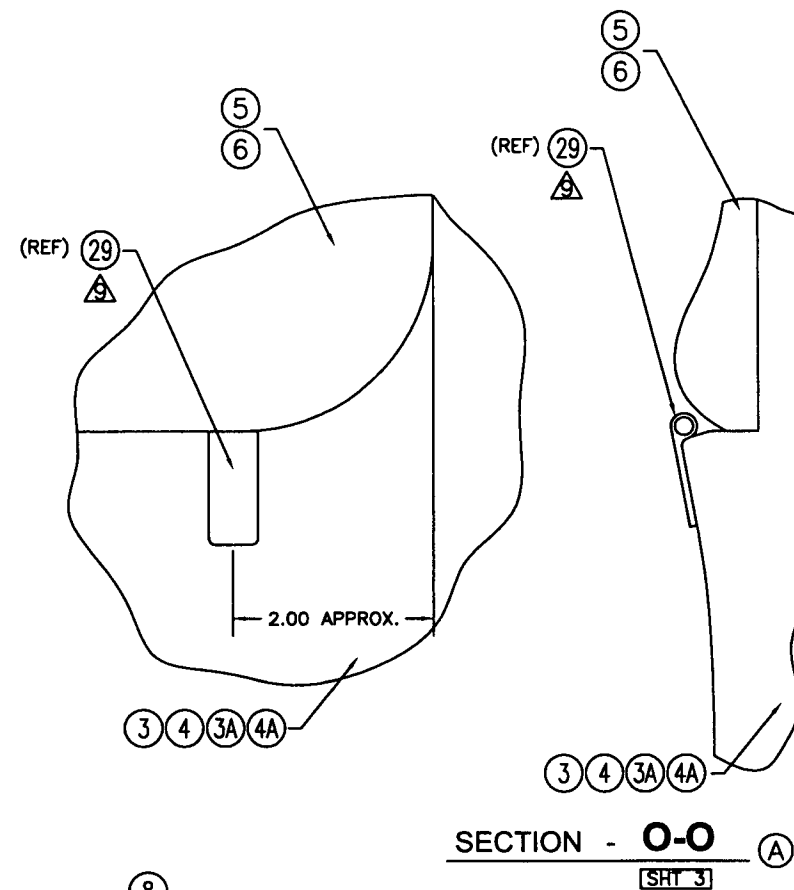
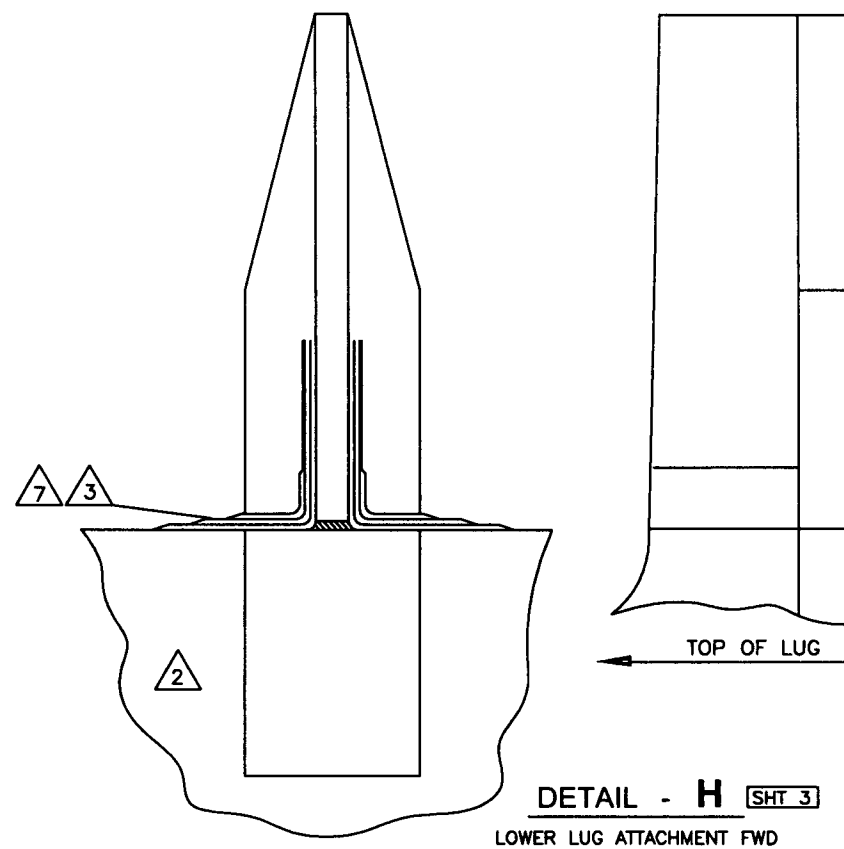



SECTION - N-N

FAIRING INSTALLATION TYP.

ORIGINAL DATE (MO-DA-YR) 12-15-94		 <small>3825 TEMPLE HEIGHTS DR. OCCIDENT, CA 92054-2015 (760) 794-4300</small>			
DRAWN BY T. HARVILLE					
DRAWING APPROVAL		CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .01 ANGLES ± .5°		SIZE B	CAGE CODE 07M26	DWG. No. 41228-201-004	REV F
SCALE NONE		SHEET 8 of 9			

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ORIGINAL DATE (MO-DA-YR) 12-15-94		 3608 TEMPLE HEIGHTS DR. OCCIDENT, GA 30058-3018 (770) 794-8300	
DRAWN BY T. HARMILLE	CHECKER		
DRAWING APPROVAL		SHEET 8 of 9	
CONTRACT No.		SHEET 8 of 9	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: 2 PLACE DECIMALS ± .03 3 PLACE DECIMALS ± .010 ANGLES ± .5°		SIZE B CAGE CODE 071426 SCALE NONE	DWG. No. 41228-201-004 REV F